

WHAT IS CLAIMED IS:

1. A method of eliciting a response to external stimuli by a robotic device having at least one movable device, comprising the steps of:

determining a static range of potential first stimuli;

inputting said static range into a first memory device;

sensing the actual value of said first stimuli;
calculating the intensity value of said actual value of said first stimuli;

comparing said intensity value of said active value for said first stimuli with said static range of said first stimuli to establish an impact variation; and

moving the movable device toward or away from the source of said first stimuli, based upon said comparing step.

2. The method in accordance with claim 1, wherein the movable device moves toward or away from the source of said first stimuli, based upon the intensity of said impact variation.

3. The method in accordance with claim 2, including the step of updating a second memory device based upon said impact variation with respect to said first stimuli.

4. The method in accordance with claim 3, further including the step of updating said first memory with said impact variations of said first stimuli, only when information relating to said first stimuli is found in said memory.

5. The method of eliciting a response to external stimuli by a robotic device having at least one movable device in accordance with claim 1, including the further steps of:

determining a static range of a potential for each of additional stimuli;

inputting said static range for each of said additional stimuli into a first memory device;

sensing the actual value of each of said additional stimuli;

calculating the intensity value of each of said actual values of each of said additional stimuli;

comparing said intensity value of said active value for each of said additional stimuli and said first stimuli with said static range of each of said additional stimuli to establish an impact variation for each of said additional stimuli; and

moving the movable device toward or away from the source of at least one of said first stimuli and said additional stimuli based upon said comparing step.

6. A system for eliciting a response to external stimuli by a robotic device having at least one movable device, comprising:

a plurality of sensors for sensing the actual value of a plurality of stimuli;

a calculating device for determining the intensity value of said active value of each of said stimuli;

a first memory device provided with a static range of each of said plurality of stimuli;

a comparison device for comparing said intensity value of each of said actual value with each other and for comparing said intensity values with said static range of values; and

an actuating device for actuating the movement of the at least one moveable device based upon an output generated by said comparison device.

7. The system in accordance with claim 6, further including a second memory device for including information stored therein based upon said intensity values of each of said plurality of stimuli.